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U.S. Army Influenza Activity Report

Week Ending 15 March 2014 (Week 11)

2013-2014 Seasonal Influenza Vaccination Coverage

As of 19 FEB 2014

94%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

SYNOPSIS: Europe continues to demonstrate elevated influenza activity while all CONUS civilian and military influenza surveillance systems are reporting declining trends. For the first time since the end of November, the CDC reports ILI activity below the national baseline.

- **ILI Activity:** Army incident ILI outpatient visits in week eleven were 29% lower than for the same week last year.
- **Influenza cases:** Five hospitalized influenza cases have been reported to USAPHC through DRSi in week eleven. To date, 104 cases have been reported during this influenza season: twenty-five in Active Duty (AD) Service Members (SMs) and 79 in non-AD beneficiaries.
- **Viral specimens:** During week eleven, 192 of 848 (23%) laboratory specimens tested positive for respiratory pathogens. The most influenza A positive specimens were reported from ERM (27%), followed by PRMC and NRMC which accounted for 23% and 14%, respectively.

Geographic Spread

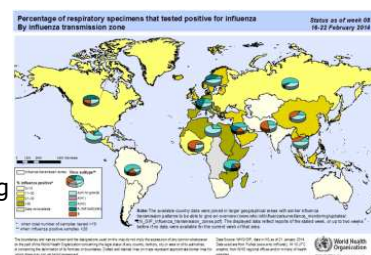


United States

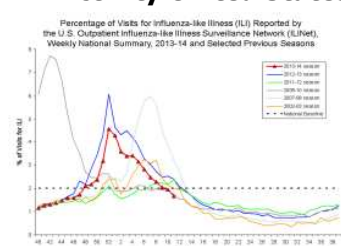
- In week eleven, 13 states reported widespread and regional influenza activity. The District of Columbia and nineteen states reported local activity, while Puerto Rico and eighteen states reported sporadic activity. The Virgin Islands reported no activity.

World Health Organization

- Influenza activity decreased in China, while Thailand reported increasing activity. In Northern Africa and Western Asia, influenza activity varied while Egypt reported high activity of H1N1pdm09.

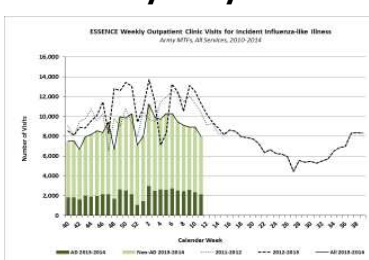


ILI Activity United States



- Nationwide during week eleven, 1.7% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 0.7% to 3.1% across the regions reporting.

ILI Activity Army



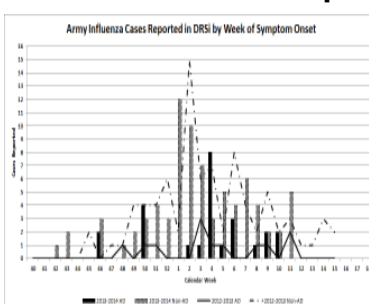
- During week eleven, incident ILI activity was 29% lower than the same time last year and 23% lower than week 11 in 2011-2012.
- AD SMs accounted for 27% of incident ILI clinic visits during week eleven; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 8	Week 9	Week 10	Week 11	Season Total
Influenza A	241	158	125	95	4260
Influenza B	12	17	16	17	147
Adenovirus	17	11	15	10	249
Enterovirus	3	0	0	0	20
Parainfluenza	4	11	7	10	274
RSV	69	67	75	60	1297
Negative	795	778	710	656	17498
Total Results	1141	1042	948	848	23745

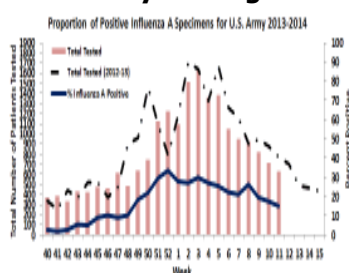
- In week eleven, 23% (192) of specimens tested positive.
- Influenza A accounted for 49% of positive specimens.
- RSV accounted for 31% of positive specimens, adenovirus and parainfluenza accounted for 5% respectively.
- Influenza B accounted for 9% of positive specimens.

DRSi Influenza Case Reporting



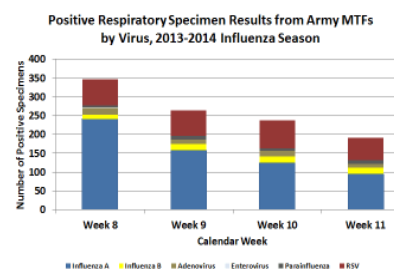
- In week eleven, five cases of influenza-associated hospitalizations were reported in DRSi, all of which were in non-AD beneficiaries.
- 104 hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 90 hospitalized influenza cases were reported.

Laboratory Testing for Influenza A



- In week eleven, 95 of 631 (15%) influenza A specimens tested positive. This was a slight decrease from week ten (17%). Fifty-seven (60%) of the positive influenza A specimens were reported in non-AD personnel.
- ERM reported 26 (27%) of the total influenza A cases. PRMC reported 22 (23%) positive influenza A specimens, and NRMC reported 13 (14%). SRMC reported 11 cases (12%) and WRMC* reported 5 cases (5%).

*Note: not all MTFs reported for WRMC in week 11



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)
Key: ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

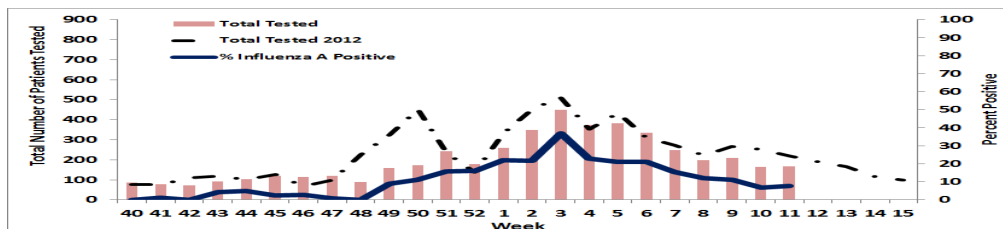
Questions?

Email [USAPHC-DEP](#)
410-417-3774

U.S. Army Influenza Activity Report

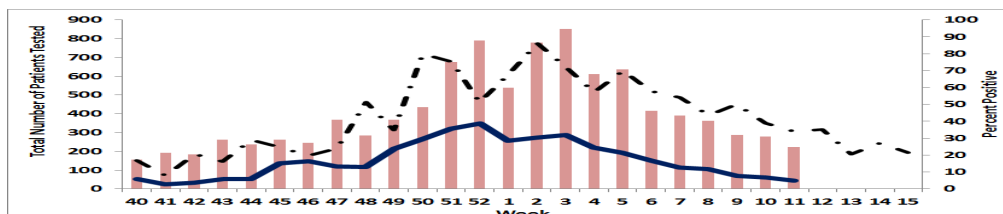
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

Northern Regional Medical Command (NRMC)



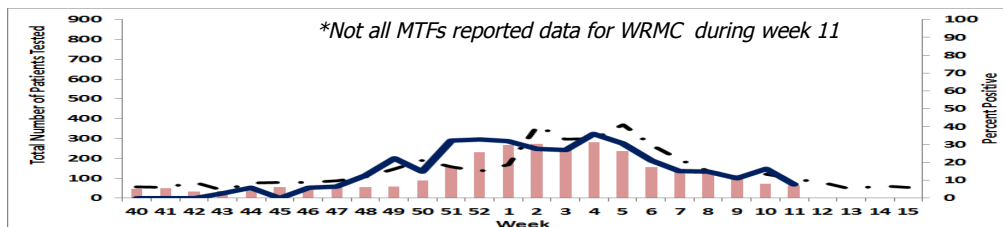
Week 11			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	2	327
18-29	2	2	126
30-39	2	0	113
40-49	2	0	72
50-59	1	1	47
60+	0	1	32
Total	7	6	717

Southern Regional Medical Command (SRMC)



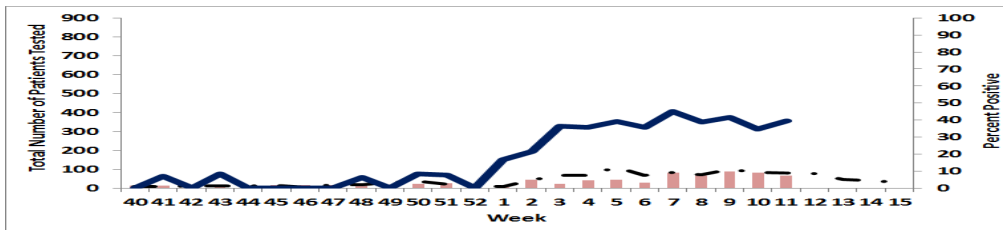
Week 11			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	4	907
18-29	1	1	380
30-39	0	2	289
40-49	2	0	212
50-59	0	0	196
60+	0	1	155
Total	3	8	2139

Western Regional Medical Command (WRMC)



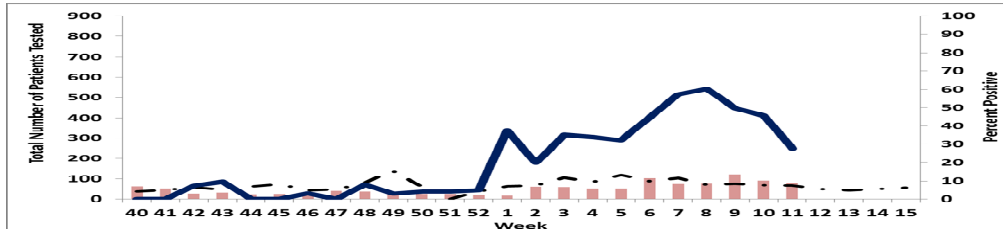
Week 11			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	3	338
18-29	0	1	127
30-39	1	0	78
40-49	0	0	61
50-59	0	0	44
60+	0	0	25
Total	1	4	673

Europe Regional Medical Command (ERMC)



Week 11			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	7	79
18-29	8	0	42
30-39	5	2	62
40-49	1	1	18
50-59	1	0	14
60+	0	1	3
Total	15	11	218

Pacific Regional Medical Command (PRMC)



Week 11			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	6	109
18-29	5	3	115
30-39	1	2	66
40-49	1	3	34
50-59	0	1	16
60+	0	0	8
Total	7	15	348

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	19	66	20	61	20	51	10	28	4	20	4	19	1	10	7	6
SRMC	33	117	29	108	14	55	16	33	9	33	5	17	5	14	3	8
WRMC	15	87	12	61	8	25	3	17	4	14	2	11	1	11	1	4
ERMC	5	10	11	7	2	8	15	22	11	15	8	24	11	17	15	11
PRMC	5	13	10	7	24	22	25	19	19	28	29	31	17	25	7	15
CENTCOM	0	0	4	20	0	4	3	9	16	68	1	7	6	7	5	13

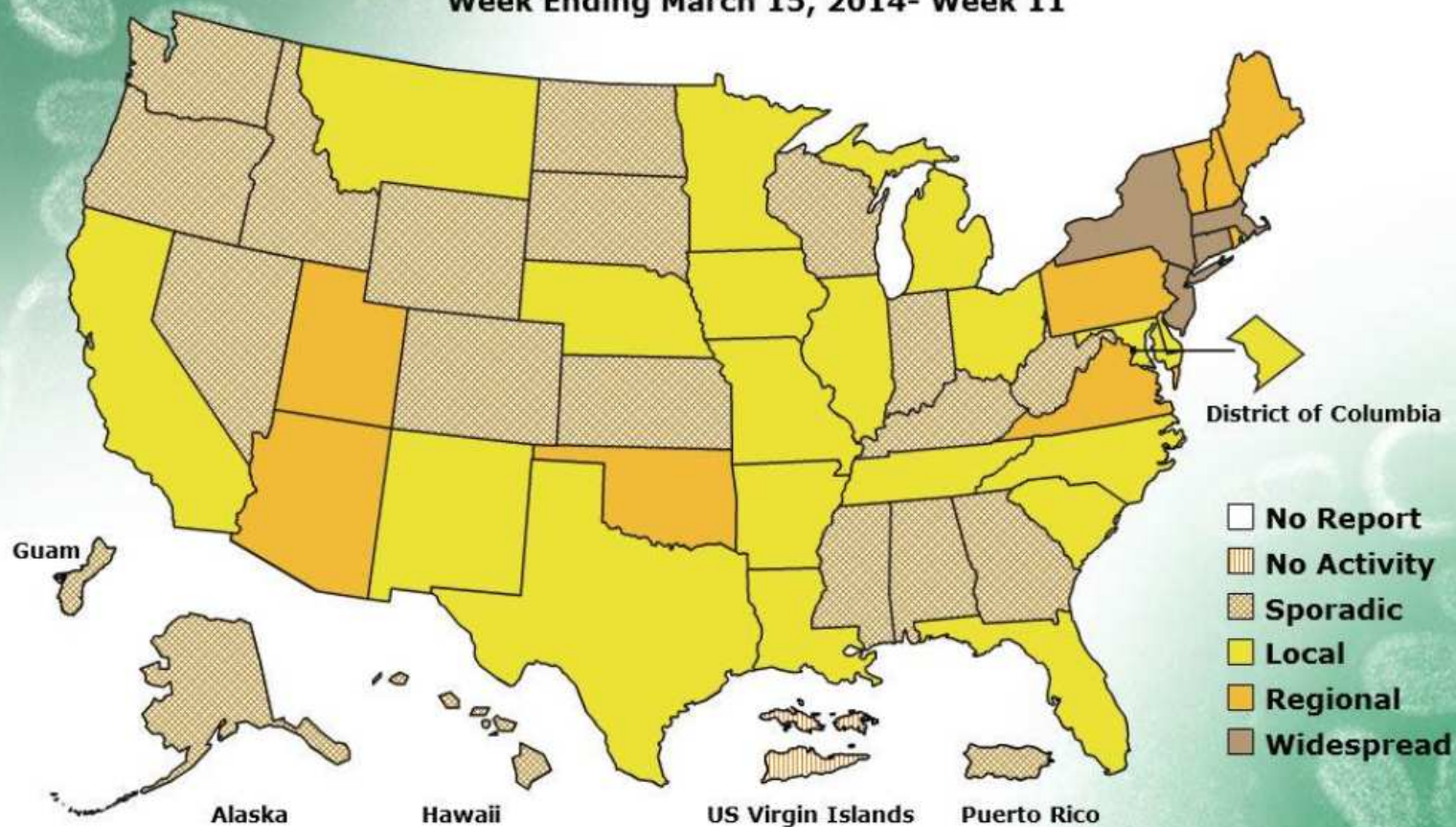
Locations providing week 11 laboratory data as of 19 March 2014: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.

FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists***

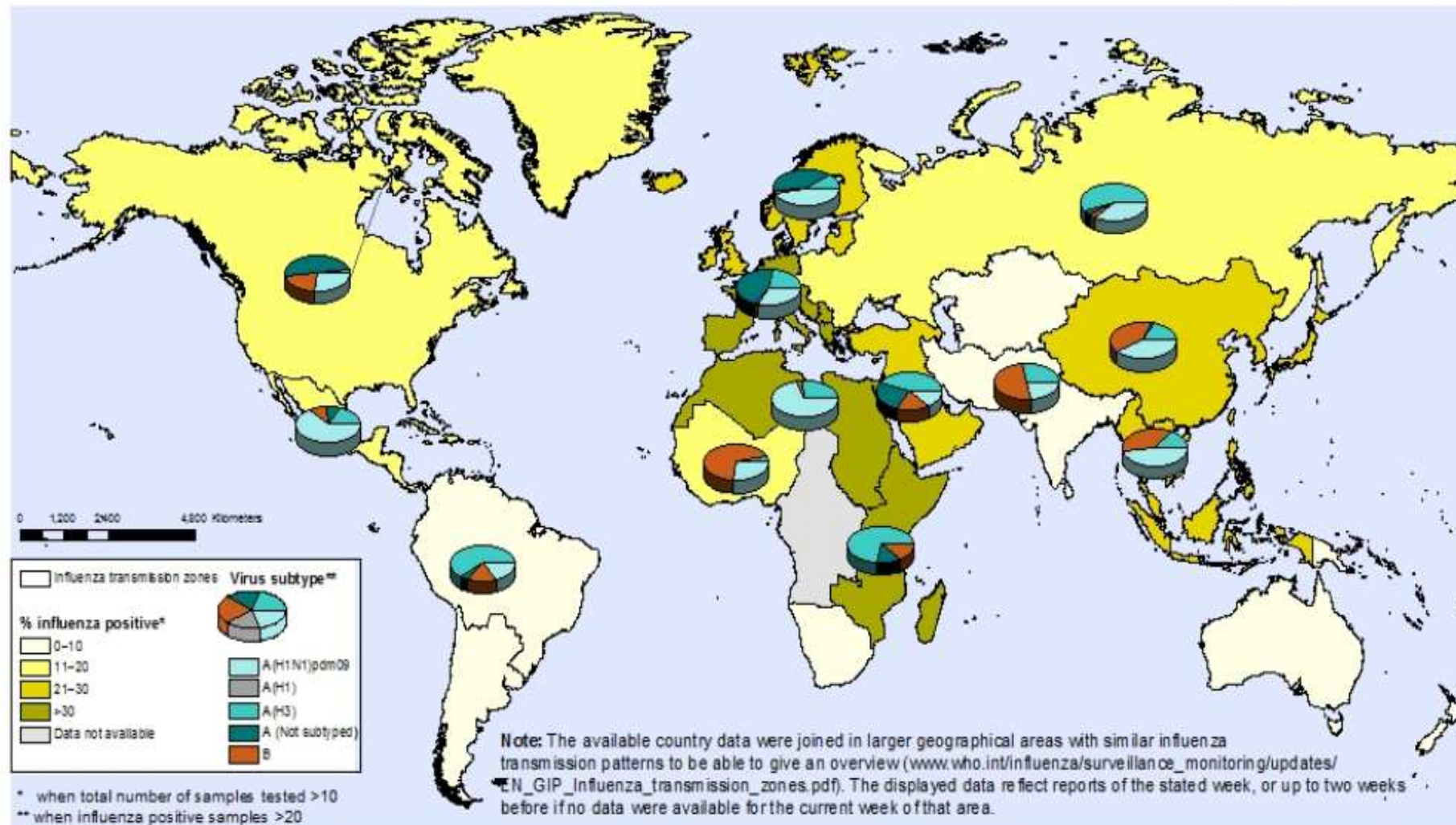
Week Ending March 15, 2014- Week 11



***This map indicates geographic spread and does not measure the severity of influenza activity.**

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

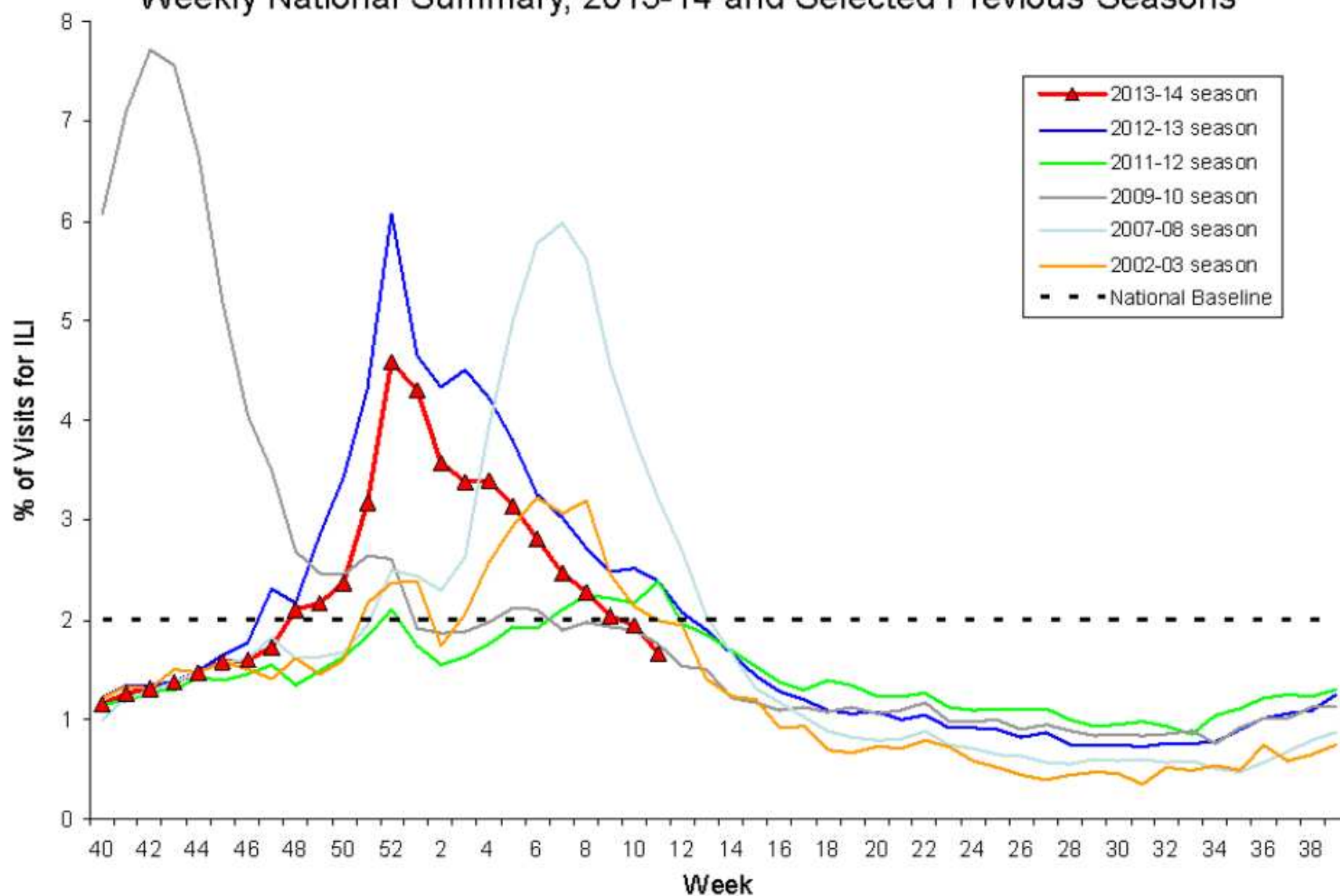
Status as of week 08
16-22 February 2014



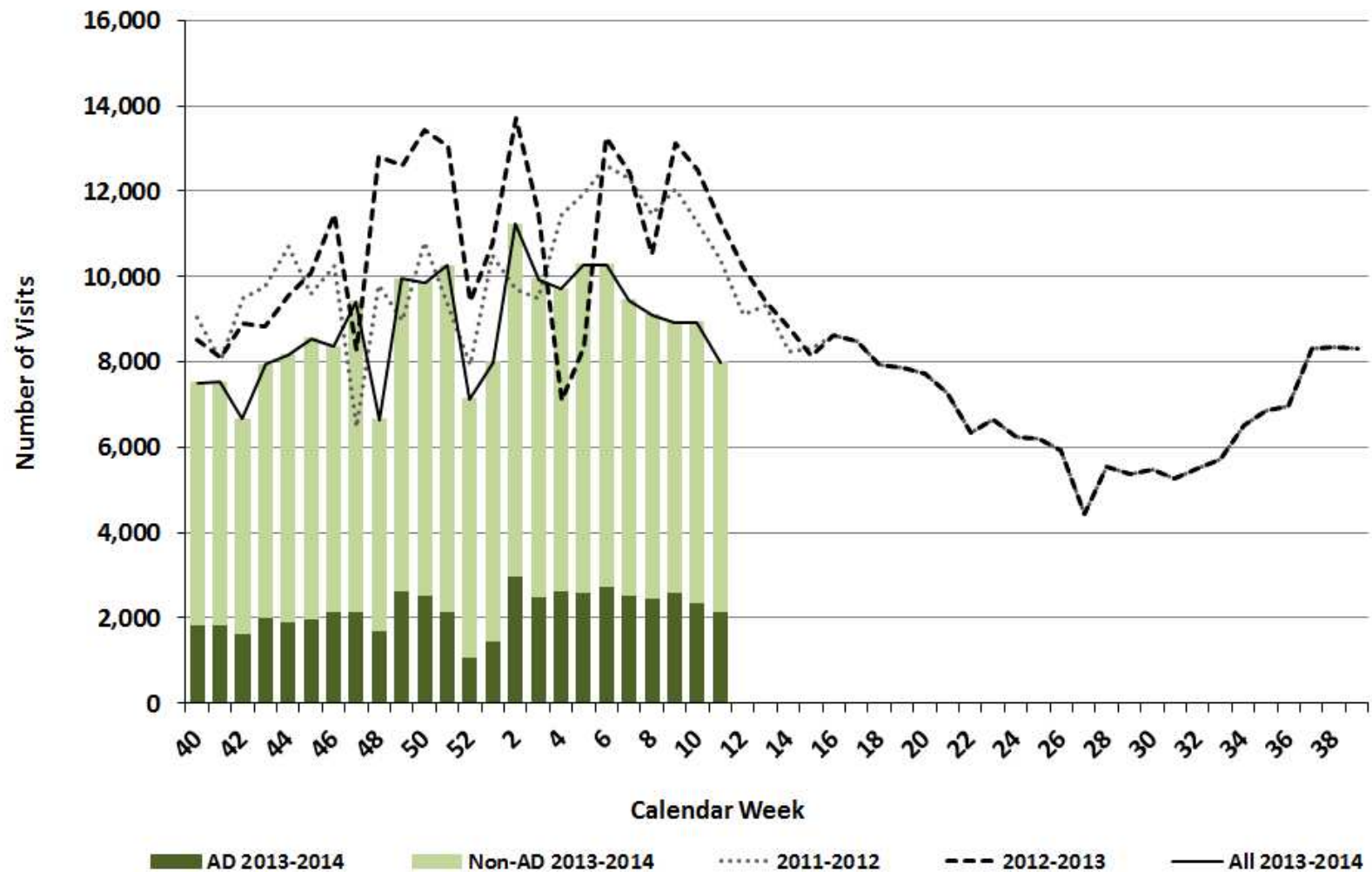
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: WHO/GIP, data in HQ as of 21 January 2014
Data used are from FluNet (www.who.int/fluNet), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons



ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness *Army MTFs, All Services, 2010-2014*



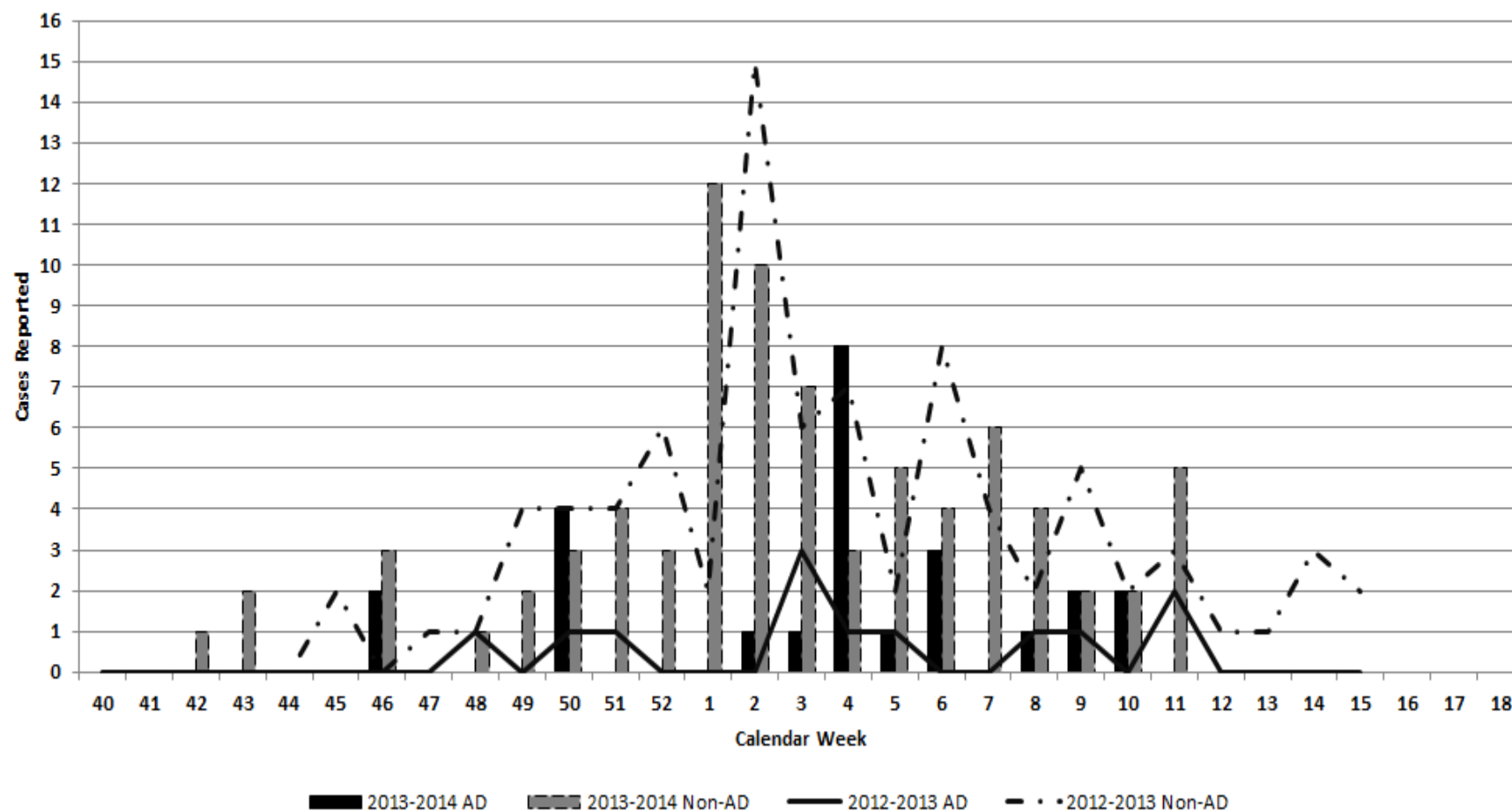
Clinic visits for ILI are obtained from ESSENCE. Data as of 19 March 2014.

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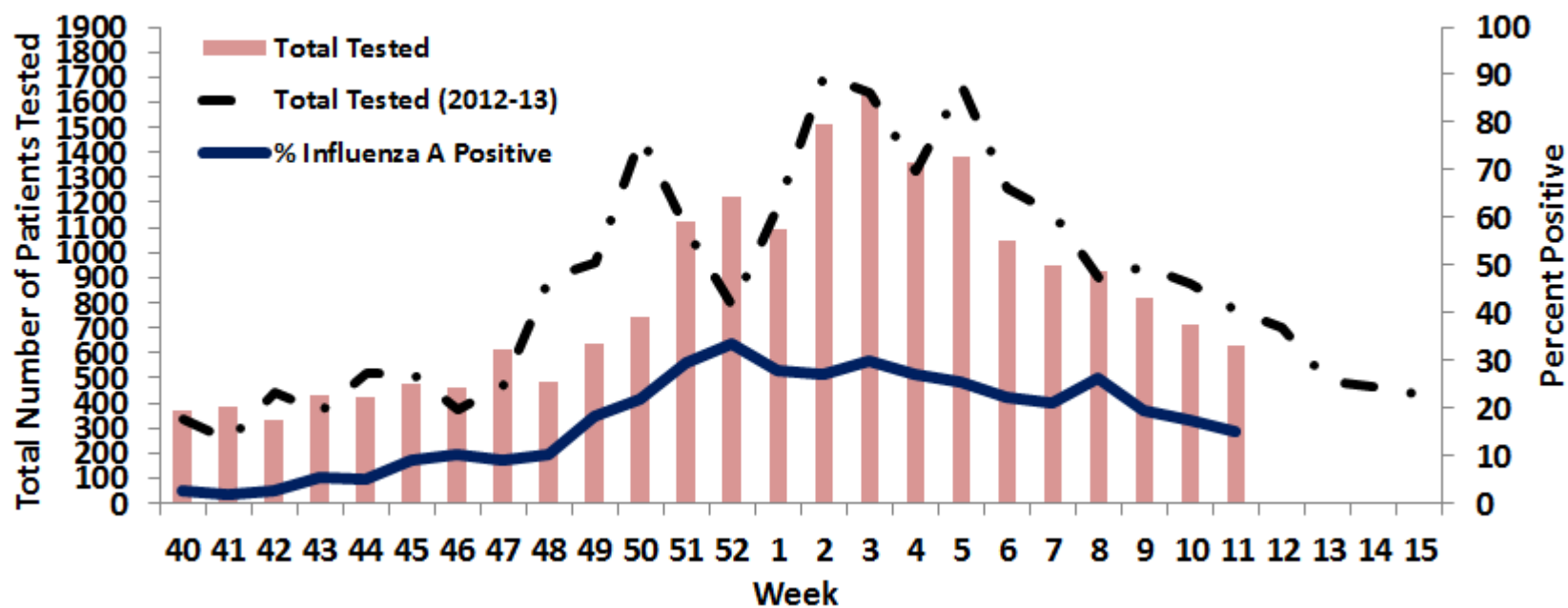


Army Influenza Cases Reported in DRSi by Week of Symptom Onset

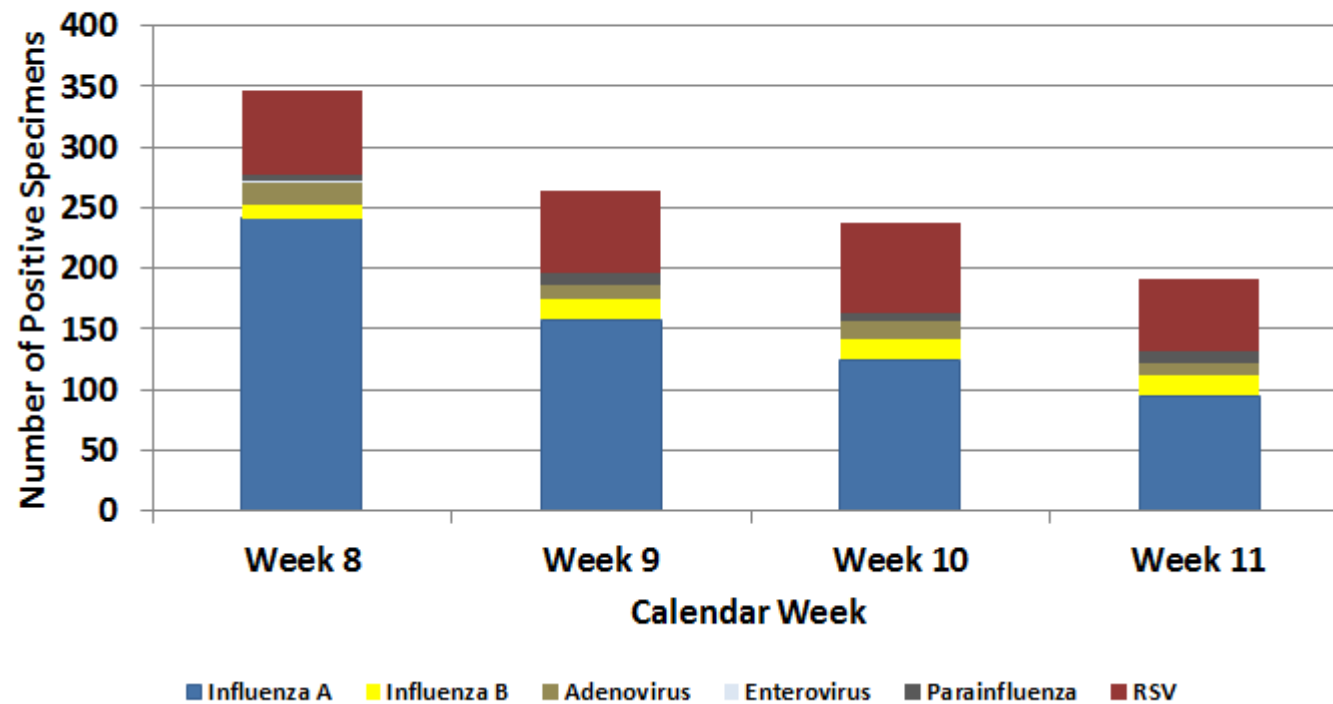


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 19 March 2014.

Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region																
Region	Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11	
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